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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/764,164	01/23/2004	Purva R. Rajkotia	2004.01.015.WS0	8157

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EXAMINER
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GARY, ERIKA A

ART UNIT	PAPER NUMBER
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2617

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/26/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No.

10/764,164

Applicant(s)

RAJKOTIA ET AL.

Examiner

Erika A. Gary

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 2/27/07.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 20-23 is/are allowed.
- 6) ☒ Claim(s) 1-19 and 24-30 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-19 and 24-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over by Kelley et al., US Patent Number 6,822,973 (hereinafter Kelley) in view of prior art made of record in the first Office Action, Jang et al., US Patent Application Publication Number 2005/0007973 (hereinafter Jang).

Regarding claims 1, 8, 14, and 24, Kelley discloses for use in a wireless network comprising a plurality of base stations, a mobile station that can selectively use the reduced slot cycle mode under the control of a first the plurality of base stations, the mobile station comprising: a message controller capable communicating in a paging channel with the first base station; and a reduced slot cycle controller coupled to the message controller capable of causing the message controller to transmit to the first base station a first Release Order message comprising a minimum reduced slot cycle index (SCI) value requested by the mobile station, wherein the reduced slot cycle controller is further capable of receiving from the first base station a second Release Order message comprising a selected slot cycle index (SCI) value at which the mobile

station will operate [figs. 2, 5; col. 2: lines 28-67; col. 4: lines 1-12; col. 6: lines 1-3; col. 7: lines 24-26].

What Kelley does not specifically disclose is the second Release order message comprises a modified data field containing a selected reduced slot cycle index value. However, Jang teaches this limitation [paragraphs 0020, 0038, 0042].

Kelley and Jang are combinable because they are from the same field of endeavor, that is, controlling the use of a reduced slot cycle mode. At the time of the invention, it would have been obvious to one of ordinary skill in the art to modify Kelley to include Jang. The motivation for this combination would have been to specifically point out the signaling messages used to convey the reduced SCI value granted based on the value requested.

Regarding claims 2 and 25, it is inherent that the reduced slot cycle controller causes the message controller transmit the first Release Order message in order to one reactivate a dormant data session between the first base station and the mobile station; and access the first base station after being handed off from a second base station to the first base station.

Regarding claims 3, 9, 15, and 26, Kelley discloses a slot cycle duration corresponding to the selected SCI value transmitted by the base station is different than a slot cycle duration corresponding to the minimum reduced slot cycle index (SCI) value requested by the first mobile station [col. 5: lines 36-44].

Regarding claims 4, 10, 16, and 27, Kelley discloses the slot cycle duration corresponding the selected SCI value transmitted by base station is at least as great as

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a slot cycle duration corresponding the minimum reduced slot cycle index (SCI) value requested by the first mobile station [col. 7: lines 38-41].

Regarding claims 5, 11, 17, and 28, Kelley discloses the first Release Order message further comprises requested time period during which the first mobile station will operate using the reduced slot cycle index (SCI) value requested by the first mobile station, and wherein the second Release Order message further comprises a selected time period during which the first mobile station will operate using the selected SCI value [col. 5: lines 35-44].

Regarding claims 6, 12, 18, and 29, Kelley discloses the selected time period transmitted by the base station is different than the requested time period requested by the first mobile station [col. 5: lines 42-44; col. 8: lines 42-54].

Regarding claims 7, 13, 19, and 30, Kelley discloses the selected time period transmitted by the base station is at least as great as the requested time period requested by the first mobile station [col. 8: lines 10-18].

### ***Response to Arguments***

3. Applicant's arguments filed 2/27/07 with respect to claims 1, 8, 14, and 24, have been fully considered but they are not persuasive. Applicant argues that Kelley does not disclose or suggest a minimum reduced SCI value requested by the mobile station. However, the Examiner respectfully disagrees as Kelley teaches requesting a desired reduced SCI value. Further, it is inherent in the art that the minimum allowable SCI is the most preferential to the mobile station. Therefore, it is obvious that when requesting

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a reduced SCI value, the mobile is requesting a minimum SCI value. In addition, Henry, Jr. et al., US Patent Number 6,560,453 provides evidence to this assertion [col. 10: lines 37-40, 61-64].

Applicant also argues the combination of Kelley and Jang. The Examiner maintains that the two references are combinable because they are from the same field of endeavor, that is, controlling the use of a reduced slot cycle mode. Jang is included to specifically point out the signaling messaged used to convey the SCI. Therefore, the Examiner maintains that the combination is proper and reasonable.

#### ***Allowable Subject Matter***

4. Claims 20-23 are allowed. Prior art has not been found that suggests or renders obvious the limitations of independent claim 20 disclosing wherein the reduced slot cycle controller responds to the triggering event by causing the message controller to transmit to the first base station a first Release Order message comprising a normal slot cycle index (SCI) value requested by the mobile station, wherein the reduced slot cycle controller is further capable of receiving from the first base station a second Release Order message comprising the normal SCI value at which the mobile station will operate.

#### ***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Henry, Jr. et al., US Patent Number 6,560,453 disclosing dynamically adjusting the paging channel monitoring frequency of a mobile terminal.

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

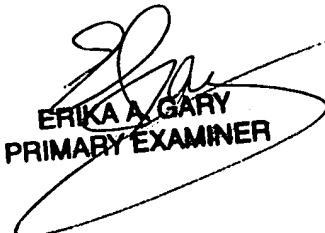
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Erika A. Gary whose telephone number is 571-272-7841. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah can be reached on 571-272-7904. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

EAG  
March 22, 2007

  
ERIKA A. GARY  
PRIMARY EXAMINER